

Appendix D

Noise Data

TRAFFIC NOISE LEVELS

Project Number: 100000407-2
Project Name: Murdy Commons (Levits)

Background Information

Model Description: FHWA Highway Noise Prediction Model (FHWA-RD-77-108) with California Vehicle Noise (CALVENO) Emission Levels.
Analysis Scenario(s): Future (2030) Conditions with Project
Source of Traffic Volumes: Austin-Foust
Community Noise Descriptor: L_{dn}: X CNEL:

Assumed 24-Hour Traffic Distribution:	Day	Evening	Night
Total ADT Volumes	77.70%	12.70%	9.60%
Medium-Duty Trucks	87.43%	5.05%	7.52%
Heavy-Duty Trucks	89.10%	2.84%	8.06%

Traffic Noise Levels

Analysis Condition					Peak		Design	Dist. from		Barrier	Vehicle Mix		Peak Hou	24-Hour
Roadway Segment	between	Land Use	Lanes	Median Width	Hour Volume	ADT Volume	Speed (mph)	Center to Receptor¹	Alpha Factor	Attn. dB(A)	Medium Trucks	Heavy Trucks	dB(A) L _{eq}	dB(A) L _{dn}
Beach Boulevard														
	McFadden Ave and I-405		8	12	0	90,000	45	125	0	0	1.8%	0.7%	0.0	73.0
	I-405 and Edinger Ave		8	12	0	85,000	45	125	0	0	1.8%	0.7%	0.0	72.7
	Edinger Ave and Heil Ave		8	12	0	75,000	45	125	0	0	1.8%	0.7%	0.0	72.2
	Heil Ave and Warner Ave		8	12	0	65,988	45	125	0	0	1.8%	0.7%	0.0	71.6
	Warner Ave and Slater Ave		8	12	0	63,969	45	125	0	0	1.8%	0.7%	0.0	71.5
McFadden Ave														
	Gothard St and Beach Blvd		4	0	0	20,000	35	75	0	0	1.8%	0.7%	0.0	65.7
Edinger Ave														
	Goldenwest St and Gothard St		6	12	0	30,695	45	100	0	0	1.8%	0.7%	0.0	69.2
	Gothard St and Beach Blvd		6	12	0	45,217	45	100	0	0	1.8%	0.7%	0.0	70.9
Warner Ave														
	Gothard St and Beach Blvd		6	12	0	40,000	45	100	0	0	1.8%	0.7%	0.0	70.4
	Beach Blvd and Newland St		6	12	0	43,000	45	100	0	0	1.8%	0.7%	0.0	70.7

¹ Distance is from the centerline of the roadway segment to the receptor location.

Note: Roadway segments were selected based on their proportionate share of project-related trips

